

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062221\  
 Data File : BM030525.D  
 Acq On : 22 Jun 2021 21:08  
 Operator : CG/JU  
 Sample : M2662-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDB3

Quant Time: Jun 23 01:32:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 22 15:07:37 2021  
 Response via : Initial Calibration

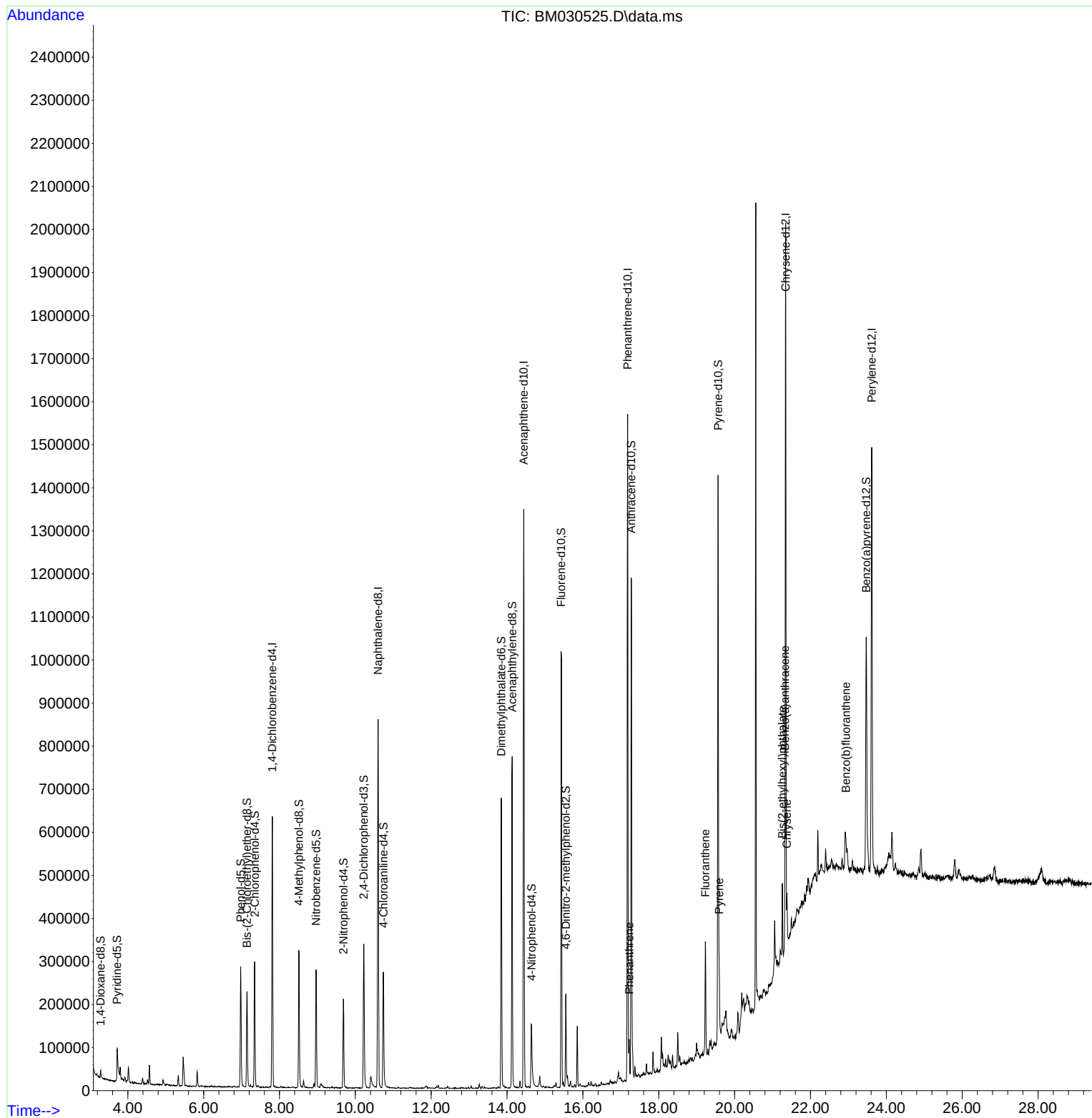
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 166989   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.598 | 136  | 702428   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 453710   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 928998   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.344 | 240  | 748735   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.615 | 264  | 686737   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 8389     | 2.037  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.716  | 84   | 62869    | 5.681  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.975  | 99   | 156180   | 10.844 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.139  | 67   | 103960   | 11.484 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.345  | 132  | 129609   | 11.659 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 123150   | 10.988 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 60490    | 11.540 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.686  | 143  | 64873    | 11.137 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.222 | 165  | 128615   | 11.526 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.739 | 131  | 155192   | 9.973  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 467553   | 14.925 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.133 | 160  | 534155   | 13.136 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.645 | 143  | 48260    | 8.131  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.427 | 176  | 404277   | 14.550 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 46656    | 7.676  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.274 | 188  | 646984   | 14.923 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.562 | 212  | 604630   | 15.411 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.468 | 264  | 379316   | 10.624 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.221 | 178  | 53169    | 1.066  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.227 | 202  | 146456   | 3.057  | ng/u1  | 99       |
| 82) Pyrene                    | 19.592 | 202  | 101282   | 2.012  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.327 | 228  | 74396    | 1.601  | ng/u1  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.256 | 149  | 54329    | 2.279  | ng/u1  | 99       |
| 87) Chrysene                  | 21.380 | 228  | 58788    | 1.298  | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 22.933 | 252  | 61656    | 1.414  | ng/u1# | 94       |

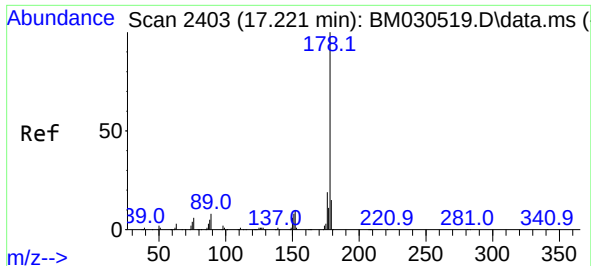
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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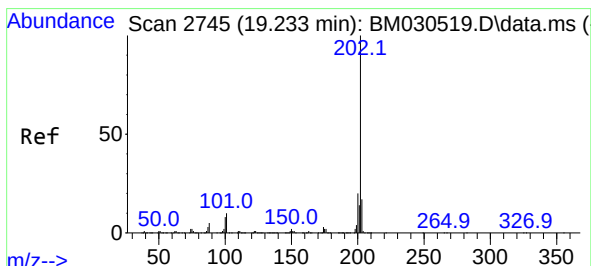
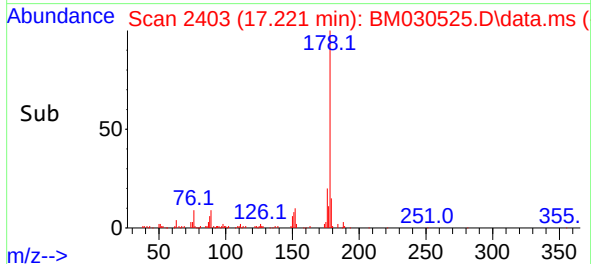
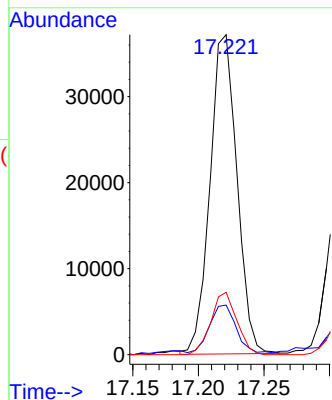
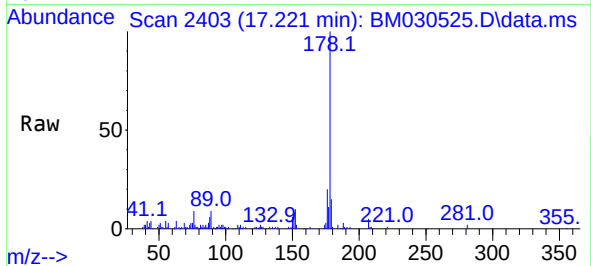




#72  
Phenanthrene  
Concen: 1.066 ng/ul  
RT: 17.221 min Scan# 2403  
Delta R.T. -0.000 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

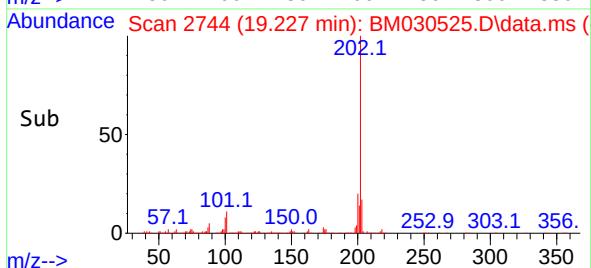
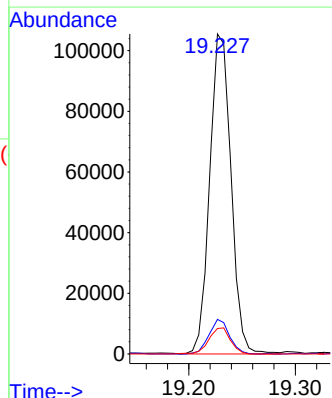
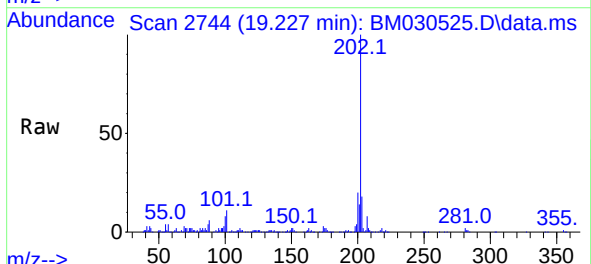
Instrument :  
BNA\_M  
ClientSampleId :  
BGDB3

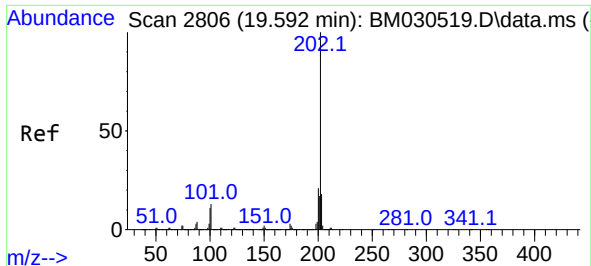
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|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 53169 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.5  | 12.1  | 18.1  |
| 176       | 19.5  | 15.2  | 22.8  |



#80  
Fluoranthene  
Concen: 3.057 ng/ul  
RT: 19.227 min Scan# 2744  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 146456 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.8  | 8.8   | 13.2   |
| 100       | 8.0   | 6.8   | 10.2   |

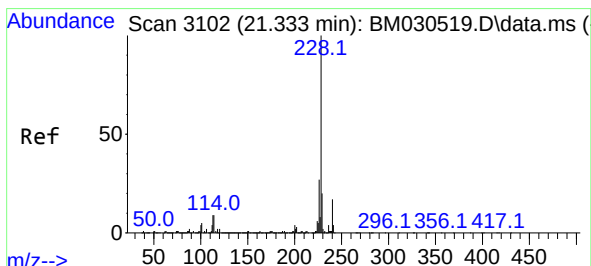
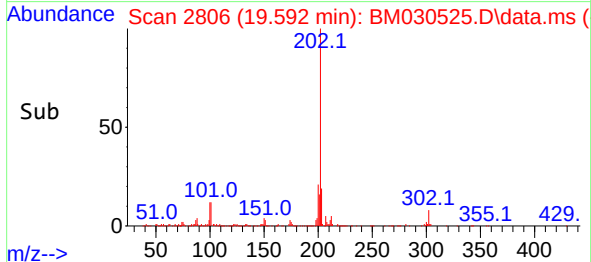
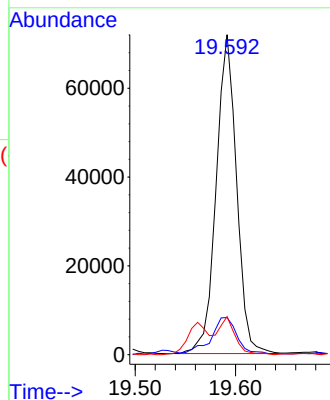
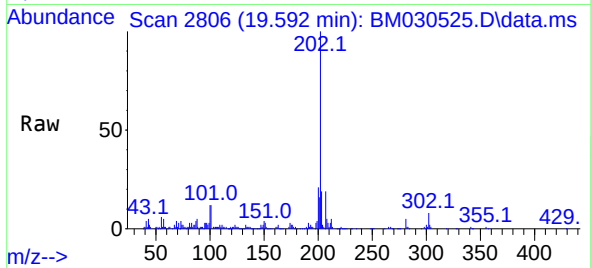




#82  
Pyrene  
Concen: 2.012 ng/ul  
RT: 19.592 min Scan# 2806  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

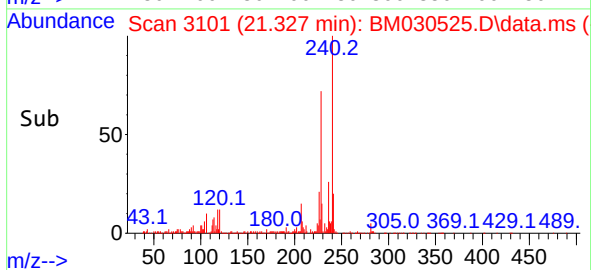
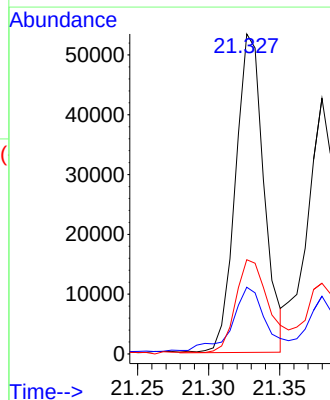
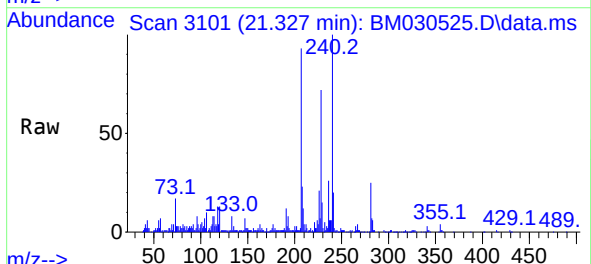
Instrument :  
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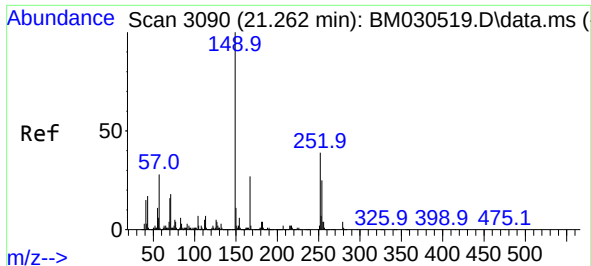
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 101282 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.6  | 10.0  | 15.0   |
| 100       | 11.9  | 8.5   | 12.7   |



#85  
Benzo(a)anthracene  
Concen: 1.601 ng/ul  
RT: 21.327 min Scan# 3101  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 74396 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.8  | 16.0  | 24.0  |
| 226       | 29.5  | 22.2  | 33.2  |

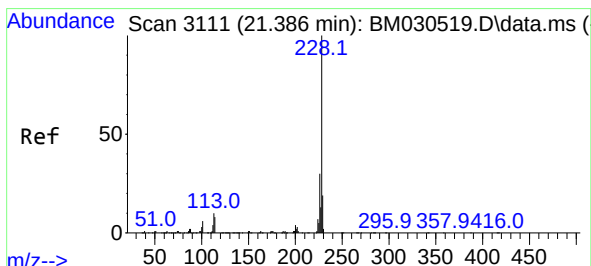
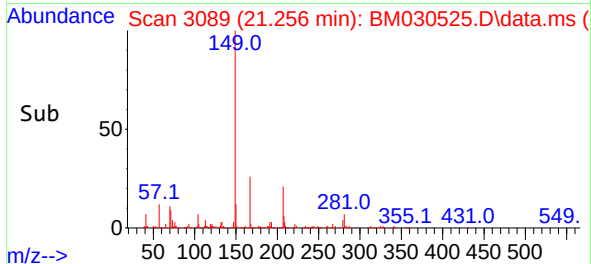
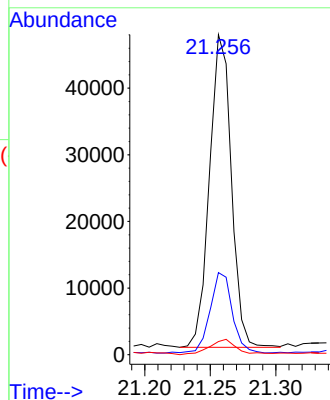
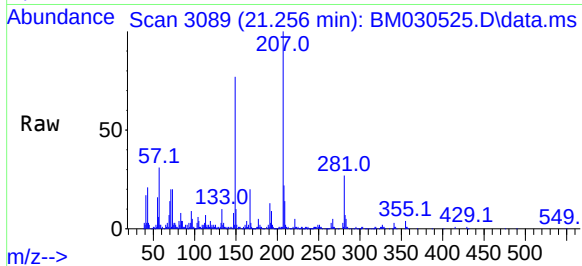




#86  
Bis(2-ethylhexyl)phthalate  
Concen: 2.279 ng/ul  
RT: 21.256 min Scan# 3089  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

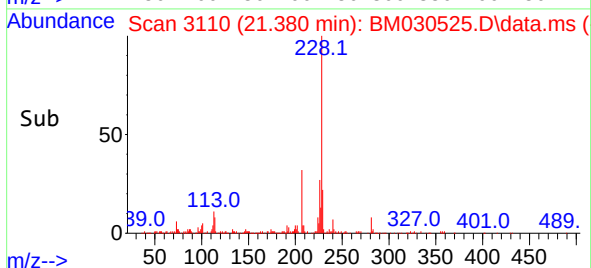
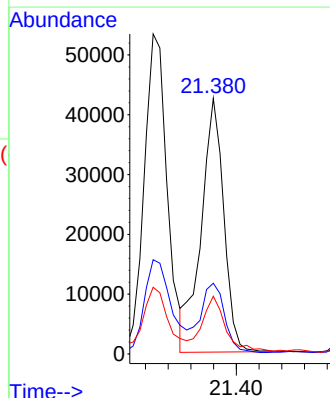
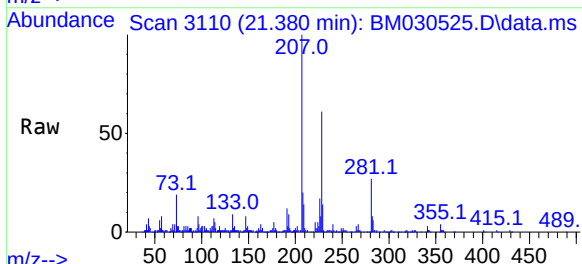
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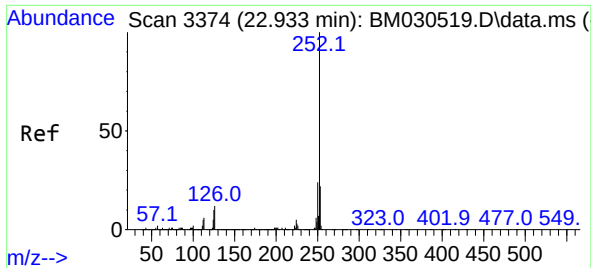
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 54329 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 25.7  | 20.7  | 31.1  |
| 279      | 4.1   | 3.0   | 4.4   |



#87  
Chrysene  
Concen: 1.298 ng/ul  
RT: 21.380 min Scan# 3110  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 58788 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 27.6  | 23.6  | 35.4  |
| 229      | 22.6  | 15.9  | 23.9  |





#90  
Benzo(b)fluoranthene  
Concen: 1.414 ng/ul  
RT: 22.933 min Scan# 3374  
Delta R.T. -0.006 min  
Lab File: BM030525.D  
Acq: 22 Jun 2021 21:08

Instrument :  
BNA\_M  
ClientSampleId :  
BGDB3

Tgt Ion:252 Resp: 61656  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.8 26.6  
125 11.9 7.7 11.5#

